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PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

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APPLICATIONS RECEIVED
JANUARY 1, 1988 TO MARCH 31, 1988

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. Seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For."

APPL. NO.	VARIETY	GEN. APPL. (*) DATE	NAME OF APPLICANT
ALFALFA			
8800102	Vector	03/08/88	Plant Genetics, Inc.
8800103	Flint	03/08/88	Plant Genetics, Inc.
8800104	Vortex	03/08/88	Plant Genetics, Inc.
ARTICHOKE			
8800071	Big Heart XR-1	02/05/88	J. R. Jordon
BARLEY			
8800060	B1203	(3) 02/01/88	Busch Agricultural Resources, Inc.
8800061	B1603	(3) 02/01/88	Busch Agricultural Resources, Inc.

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BARLEY (Continued)				
8800084	WestBred Waxbar	(*)	02/12/88	Western Plant Breeders, Inc.
BEAN, FIELD				
8800115	Bill Z	(3)	03/14/88	Colorado State University
BEAN, GARDEN				
8800069	Early Sunray		02/03/88	Bakker Brothers of Idaho, Inc.
8800091	Applause		02/17/88	Asgrow Seed Company
8800107	Colt		03/09/88	Rogers Brothers Seed Company
8800108	MiniGreen		03/09/88	Rogers Brothers Seed Company

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BEAN, GARDEN (Continued)			
8800109	McHarvest	03/09/88	Rogers Brothers Seed Company
8800110	<BX 156-2-3-6>	03/09/88	Rogers Brothers Seed Company
8800111	Kent	03/09/88	Rogers Brothers Seed Company
8800112	<Wax 79-216>	03/09/88	Rogers Brothers Seed Company
8800118	Honestyle	03/23/88	Asgrow Seed Company
BLUEGRASS, KENTUCKY			
8800062	Dawn	02/01/88	Jacklin Seed Company
8800063	Destiny	02/01/88	Jacklin Seed Company

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BLUEGRASS, KENTUCKY (Continued)			
8800072	Suffolk	02/08/88	Jacklin Seed Company
8800073	Ikone	02/08/88	L. C. Nungesser K.G.
8800074	Freedom	02/08/88	Jacklin Seed Company
CORN, FIELD			
8800050	LH65	01/04/88	Holden's Foundation Seeds, Inc.
8800053	LH149	01/12/88	Holden's Foundation Seeds, Inc.
COTTON			
8800052	Dunn 400	01/11/88	Dunn Seed Farms, Inc.

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COTTON (Continued)				
8800085	Lambright 2020	(3)	02/16/88	J. H. Lambright
8800117	PD-3	(3)	03/24/88	South Carolina Agricultural Experiment Station and USDA-ARS
FESCUE, SHEEP				
8800064	Bighorn		02/01/88	Pure-Seed Testing, Inc.
FESCUE, TALL				
8800076	Phyter		02/09/88	FFR Cooperative
8800082	Mesa		02/10/88	Jacklin Seed Company

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FESCUE, TALL (Continued)			
8800083	Wrangler	02/10/88	Jacklin Seed Company
8800093	Penngrazer	02/02/88	FFR Cooperative
LETTUCE			
8800051	Green Bowl	01/11/88	Asgrow Seed Company
8800055	Greengo	01/19/88	Genecorp, Inc.
MARIGOLD			
8800094	Disco Orange	02/29/88	John Bodger & Sons Co.
8800096	Disco Golden-Yellow	03/03/88	John Bodger & Sons Co.

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MARIGOLD (Continued)				
8800097	Hero Harmony	03/03/88		John Bodger & Sons Co.
8800098	Hero Flame	03/03/88		John Bodger & Sons Co.
8800099	Hero Gold	03/03/88		John Bodger & Sons Co.
8800100	Hero Yellow	03/03/88		John Bodger & Sons Co.
ORCHARDGRASS				
8800105	Summer Green	03/07/88		Snow Brand Seed Company
PEA				
8800056	Solara	(3) 01/29/88		Cebeco-Handelsraad

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PEA (Continued)			
8800058	Danto	(3) 01/27/88	L. Daehnfeldt, Inc.
8800088	Quest	02/17/88	Gallatin Valley Seed Co., a division of Rogers Brothers Seed Company
8800089	Genie	02/17/88	Gallatin Valley Seed Co., a division of Rogers Brothers Seed Company
8800106	<F 79152>	03/09/88	Rogers Brothers Seed Company
PEPPER			
8800057	Prima Belle	01/26/88	Sunseeds Genetics, Inc.

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APPL. NO.	VARIETY	GEN. APPL. (*)	DATE	NAME OF APPLICANT
RAPE				
8800075	<Sv 02402>	(2)	02/09/88	Svalof AB
RYEGRASS, PERENNIAL				
8800101	Competitor		03/07/88	Pure-Seed Testing, Inc.
8800113	Pebble Beach		03/14/88	Pure-Seed Testing, Inc.
8800114	SATURN		03/14/88	Pure-Seed Testing, Inc.
SAFFLOWER				
8800081	S-517	(3)	02/10/88	SeedTec International, Inc.
SOYBEAN				
8800065	DSR-128		01/04/88	Dairyland Seed Company, Inc.

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		DATE	
SOYBEAN (Continued)			
8800066	DSR-135	01/04/88	Dairyland Seed Company, Inc.
8800067	DSR-155	01/04/88	Dairyland Seed Company, Inc.
8800068	DSR-184	01/04/88	Dairyland Seed Company, Inc.
8800086	Elgin 87	(3) 02/16/88	Iowa Agriculture and Home Economics Experiment Station
8800087	Harper 87	(3) 02/16/88	Iowa Agriculture and Home Economics Experiment Station
8800090	Spencer	(3) 02/16/88	Purdue University and USDA-ARS

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SOYBEAN (Continued)			
8800092	A6297	02/22/88	Asgrow Seed Company
8800116	SS 487	03/14/88	Southern States Cooperative, Inc.
TOBACCO			
8800070	K340	02/04/88	Northrup King Co.
TOMATO			
8800059	NC 8288	02/01/88	North Carolina Foundation Seed Producers, Inc.
WHEAT, COMMON			
8800054	Pacer	(3) 01/14/88	HybriTech Seed International, Inc.

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WHEAT, COMMON (Continued)				
8800077	W2501	(3)	02/09/88	Nickerson American Plant Breeders, Inc.
8800078	W2502		02/09/88	Nickerson American Plant Breeders, Inc.
8800079	Steele	(3)	02/09/88	Nickerson American Plant Breeders, Inc.
8800080	Traveler	(3)	02/09/88	Nickerson American Plant Breeders, Inc.
8800095	Clark	(3)	02/24/88	Purdue University Agricultural Experiment Station

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APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
JANUARY 1, 1988 TO MARCH 31, 1988

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

KIND	APPL. NO.	VARIETY
BEAN, GARDEN	8500095	<81-W1-170-4>
CLOVER, RED	8100069	Flare

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
ALFALFA				
8700171	PRO-CUT		01/15/88	W-L Research, Inc.
	'PRO-CUT' is most similar to 'Chief'; however, 'PRO-CUT' has 99% purple and 1% variegated flowers whereas 'Chief' has 90% purple, 8% variegated, 1% cream, and 1% yellow flowers.			
BARLEY				
8000083	Onda	(3)	01/15/88	Tainio Technology & Technique, Inc.
	'Onda' is most similar to the spring barleys, 'Steptoe', 'Poco', and 'Olli'; however, 'Onda' is a true facultative type, being adapted for winter or summer plantings as well as spring.			
8400076	Birka	(3)	03/31/88	W. Weibull A.B., Sweden
	'Birka' is most similar to 'Herta'; however, 'Birka' has a blue aleurone color, matures 1 day later than 'Herta', and is 5 to 6 cm shorter than 'Herta'. The aleurone color of 'Herta' is a mixture.			
BEAN, GARDEN				
8500094	Blazer		02/19/88	Rogers Brothers Seed Company
	'Blazer' most closely resembles 'BEL 47'; however, 'Blazer' is a taller plant (50 vs 43 cm) with shorter (14.6 vs 15.8 cm) and smaller diameter pods (1% vs 62% in sieve size 5 or larger) than 'BEL 47'.			

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CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN (Continued)				
8600127	Hystyle		01/15/88	Harris Moran Seed Company
	'Hystyle' is most similar to 'UI-207', but 'Hystyle' has darker green pods than 'UI-207' [Royal Horticultural Society (RHS) Colour Chart 137D vs 143C].			
BERMUDAGRASS				
8800010	NuMex SAHARA	(3)	03/11/88	New Mexico Crop Improvement Association
	'NuMex SAHARA' most closely resembles common bermudagrass; however, 'NuMex SAHARA' is shorter (17 vs 31 cm), has shorter internodes (43 vs 53 mm), and has shorter leaves (68 vs 99 mm) than common bermudagrass.			
BLUEGRASS, KENTUCKY				
8700140	Blacksburg		01/15/88	Pure-Seed Testing, Inc.
	'Blacksburg' most closely resembles 'Midnight'; however, 'Blacksburg' is moderately resistant to stripe rust whereas 'Midnight' is moderately susceptible. 'Blacksburg' matures at least 6 days earlier and is darker green (RHS Colour Chart 131A vs 133A) than 'Midnight'.			

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BLUEGRASS, KENTUCKY (Continued)				
8800006	Huntsville		02/19/88	Jacklin Seed Company
	'Huntsville' most closely resembles 'Baron'; however, 'Huntsville' is taller (78 vs 68 cm) than 'Baron'. 'Huntsville' is resistant to powdery mildew whereas 'Baron' is susceptible.			
8800007	Liberty		02/19/88	Jacklin Seed Company
	'Liberty' most closely resembles 'Fylking'; however, 'Liberty' has a longer panicle (84 vs 74 mm) and a longer flag leaf (41 vs 28 mm) than 'Fylking'. 'Liberty' is more resistant to powdery mildew (3.5 vs 7.0 where 9 = most disease) than 'Fylking'.			
CORN, FIELD				
8500153	LH150		03/31/88	Holden's Foundation Seeds, Inc.
	'LH150' most closely resembles 'Tx6252'; however, the tassel of 'LH150' droops to one side whereas the tassel of 'Tx6252' is erect. 'LH150' has 8 tassel branches per plant whereas 'Tx6252' has 30 tassel branches per plant.			
8700088	LH85		03/31/88	Holden's Foundation Seeds, Inc.
	'LH85' most closely resembles 'A654Ht'; however, the ear shoot of 'LH85' has husk leaves during silking whereas the ear shoot of 'A654Ht' does not have husk leaves at this stage. 'LH85' ears have pink cobs whereas 'A654Ht' ears have white cobs.			

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CORN, FIELD (Continued)				
8700089	LH146Ht		03/11/88	Holden's Foundation Seeds, Inc.
	'LH146Ht' most closely resembles 'CM105'; however, 'LH146Ht' has a tassel flag leaf with an angle less than 30 degrees from the stalk whereas 'CM105' has a tassel flag leaf with an angle greater than 60 degrees from the stalk.			
8700090	LH156		01/15/88	Holden's Foundation Seeds, Inc.
	'LH156' most closely resembles 'Pa91'; however, 'LH156' tassel glumes are streaked half green and half purple whereas 'Pa91' glumes are green only.			
8700137	LH61		03/11/88	Holden's Foundation Seeds, Inc.
	'LH61' most closely resembles 'LH54'; however, 'LH61' top earshoot develops a purple mark on the otherwise green husk whereas 'LH54' ears are green without the purple mark.			
8700170	PHG86		03/31/88	Pioneer Hi-Bred International, Inc.
	'PHG86' is most similar to 'B73'; however, 'PHG86' has white cobs whereas 'B73' has red cobs.			

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COTTON				
8700165	Arkot 518	(3)	03/11/88	Arkansas Agricultural Experiment Station
	'Arkot 518' most closely resembles 'Deltcot 390'; however, 'Arkot 518' matures 3 days earlier and has longer fiber (1.19 vs 1.12 inches) than 'Deltcot 390'.			
8700210	Dunn HS 120		01/15/88	Dunn Seed Farms, Inc.
	'Dunn HS 120' most closely resembles 'Dunn 120'; however, 'Dunn HS 120' has a greater fiber strength (27.9 vs 24.4 g/tex) than 'Dunn 120'.			
8800017	Germain's Acala GC-356	(3)	02/19/88	Germain's, Inc.

'Germain's Acala GC-356' most closely resembles 'SJ-2'; however, 'Germain's Acala GC-356'
has a higher fiber strength (30.0 vs 28.5 g/tex) and is shorter in plant height (110 vs
117 cm) than 'SJ-2'.

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COMPEA

8500073 Mississippi Shipper (3) 02/19/88 Mississippi Agricultural and Forestry Experiment Station

'Mississippi Shipper' is most similar to 'Mississippi Purple' except 'Mississippi Shipper' averages an 88 percent increase in pod thickness at green pod stage and 33 percent increase in pod thickness at dry pod stage. The pods of 'Mississippi Shipper' are typically very straight whereas the pods of 'Mississippi Purple' frequently have a backward curve in the upper third of the pod.

ENDIVE

8700066 Crispy Green 02/19/88 Harris Moran Seed Company

'Crispy Green' is most similar to 'Green Curled Ruffec', but 'Crispy Green' has an erect plant habit whereas 'Green Curled Ruffec' has a spreading habit.

FESCUE, CHEWINGS

8700077 Center 01/15/88 International Seeds Inc.

'Center' is most similar to 'Jamestown'; however, 'Center' is shorter in plant height (750 vs 852 mm) and has shorter panicles (102 vs 116 mm) than 'Jamestown'.

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FESCUE, TALL				
8500150	Willamette		01/15/88	International Seeds Inc.
	'Willamette' is most similar to 'Brookston'; however, 'Willamette' matures 3 days earlier and has darker green leaves (RHS Colour Chart 137B vs 138B) than 'Brookston'. 'Willamette' has longer flag leaves (193 vs 153 mm) than 'Brookston'.			
8500183	Mojave		01/15/88	International Seeds Inc.
	'Mojave' is most similar to 'Houndog'; however, 'Mojave' matures 3-5 days later and has smaller seed (2.07 vs 2.62 g/1000 seeds) than 'Houndog'.			
8500184	Southland		01/15/88	International Seeds Inc.
	'Southland' is most similar to 'Houndog'; however, 'Southland' matures 2 days earlier, has shorter flagleaves (16.5 vs 19.4 cm), and smaller seed (2020 vs 2620 mg/1000 seed) than 'Houndog'.			
8700195	Rebel II		01/15/88	Lofts Seed, Inc.
	'Rebel II' most closely resembles 'Rebel'; however, 'Rebel II' heads 2-3 days earlier and is more resistant to net blotch (6.8 vs 4.6 where 9 = best) than 'Rebel'.			

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GAZANIA SPLENDENS

8700062 Daybreak Orange
'Daybreak Orange' is most similar to 'Mini-Star Tangerine'; however, 'Daybreak Orange' flowers 17 days earlier and has a deeper orange flower color than 'Mini-Star Tangerine' (RHS Colour Chart #10 vs #10/1).

01/15/88 Denholm Seeds

LETTUCE

8400013 Greenfield

02/19/88 Les Produits Organiques du
Santerre-Orsan S.A.

'Greenfield' is most similar to 'Sea Green' in horticultural type, but 'Greenfield' has white seed and is resistant to lettuce mosaic, whereas 'Sea Green' has black seed and is susceptible to lettuce mosaic. 'Greenfield' is most similar to 'Vanguard 75' in resistance to lettuce mosaic, but 'Vanguard 75' has black seed.

8500003 Desert Queen

03/31/88 Genecorp Technology
'Desert Queen' is most similar to 'Empire', but 'Desert Queen' has smaller frame diameter (44.1 vs 48.7 cm, values are average of 2 August plantings in Huron, CA) than 'Empire'.

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LETTUCE (Continued)				
8600108	Vancrisp		01/15/88	Quali-Sel Seed
<p>'Vancrisp' is most similar to 'Van Mor' and 'Red Coach 74'. However, 'Vancrisp' has less yellow green foliage color at harvest than 'Van Mor' (RHS Colour Chart 143A vs 146B). 'Vancrisp' had slightly smaller frame and head size than 'Van Mor', and had heads which were slightly elongated compared to 'Van Mor', which were more spherical in warm weather (summer) trials in the Salinas valley. 'Vancrisp' exhibited better heading and less bolting than 'Van Mor' in these trials. In comparison to 'Red Coach 74', 'Vancrisp' had smaller frame (49.2 vs 53.8 cm), smaller head circumference (47.7 vs 52 cm), and shorter core height (5.0 vs 5.7 cm) in summer trials in the Salinas valley. 'Vancrisp' headed better than 'Red Coach 74' under these conditions, and 'Vancrisp' had less tendency to bolt or form puffy heads than 'Red Coach 74'.</p>				
8600147	Maverick		01/15/88	Genecorp Technology
<p>'Maverick' is most similar to 'Empire'; however, 'Maverick' has white seed whereas 'Empire' has black seed. Also, 'Maverick' has darker leaf color than 'Empire' (RHS Colour Chart 143A vs 143C).</p>				

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM

JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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LETTUCE (Continued)

8700142 Royal Green
 'Royal Green' is most similar to 'Waldman's Green', but has heavier head weight. In one trial 'Royal Green' outweighed 'Waldman's Green' by 30 g (387 vs 357 g, planted 8/17/87 at San Juan Bautista, CA). Results from 4 other trials were consistent.

PEPPER

8500187 Alpha II
 'Alpha II' is most similar to 'Anaheim Chili TMR23'; however, 'Alpha II' fruit has only a slight blossom end curvature whereas 'Anaheim Chili TMR23' fruit has a pronounced blossom end curvature. 'Alpha II' reaches the mature green fruit stage 5 days earlier than 'Anaheim Chili TMR23'.

8700124 Bell-Sweet
 'Bell-Sweet' is most similar to 'Yolo Wonder'; however, 'Bell-Sweet' has fewer seeds per fruit than 'Yolo Wonder' (9 vs 330 seeds per fruit).

RICE

8600162 V7713
 'V7713' most closely resembles 'Labelle'; however, 'V7713' heads 11 days earlier (75 vs 86) and has a shorter plant height (96 vs 118 cm) than 'Labelle'.

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
RICE (Continued)				
8700144	S2-Calpearl	(1)	01/15/88	N. F. Davis Drier & Elevator
	'S2-Calpearl' is most similar to 'Calpearl'; however, 'S2-Calpearl' has shorter brown rice kernels (5.18 vs 5.57 mm) than 'Calpearl'.			
8700145	Valencia 87	(1)	01/15/88	N. F. Davis Drier & Elevator
	'Valencia 87' is most similar to 'Calpearl'; however, 'Valencia 87' has shorter brown rice kernels (5.08 vs 5.57 mm) and stiffer stems (604 vs 477 g - number of grams to break straw) than 'Calpearl'. 'Valencia 87' has stiffer stems (604 vs 452 g) than 'S2-Calpearl'.			
8700203	KRM-2		03/11/88	Rice Researchers, Inc.
	'KRM-2' most closely resembles 'Kokuho Rose' and 'M-201'; however, 'KRM-2' heads at least 23 days earlier than 'Kokuho Rose' and about the same time as 'M-201'. 'KRM-2' is shorter than 'Kokuho Rose' (88 vs 120 cm) and taller than 'M-201' (88 vs 82 cm).			
RYEGRASS (LOLIUM X HYBRIDUM)				
8400038	Bison		01/15/88	International Seeds Inc.
	'Bison' most closely resembles 'Tetrelite'; however, 'Bison' has a longer spike (27 vs 23 cm), a greater stem rust resistance (8.0 vs 6.5 rating, where 9 = resistant), and a greater winter survival (35 vs 0%) than 'Tetrelite'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
RYEGRASS, PERENNIAL				
8700027	Barball	(3)	03/31/88	Barenbrug Holland B.V.
	'Barball' most closely resembles 'Loretta'; however, 'Barball' matures 2-4 days earlier than 'Loretta'.			
SAFFLOWER				
8800016	C/W-4440		03/11/88	Cal/West Seeds
	'C/W-4440' is most similar to 'C/W-74', 'C/W-111', and 'S-400'; however, 'C/W-4440' is taller (82 vs 75, 79, 78 cm) than 'C/W-74', 'C/W-111', and 'S-400'. Also, 'C/W-4440' has a more superior resistance to Fusarium wilt (91 vs 14, 83, 60%) than 'C/W-74', 'C/W-111', and 'S-400'.			
SOYBEAN				
8600145	S23-12		02/19/88	Northrup King Co.
	'S23-12' is most similar to 'Wells'; however, 'S23-12' has yellow hila whereas 'Wells' has imperfect black hila.			
8700039	HS 348		02/19/88	GROWMARK, Inc.
	'HS 348' is most similar to 'Williams 82'; however, 'HS 348' has brown pods and purple flowers whereas 'Williams 82' has tan pods and white flowers.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SOYBEAN (Continued)				
8700052	HS 339		01/15/88	GROWMARK, Inc.
	'HS 339' is most similar to 'Williams 82', 'Harper', and 'A3127'; however, 'HS 339' has purple flowers and tan pods whereas 'Williams 82' has white flowers, 'Harper' has brown pods, and 'HS 339' matures 6 days earlier than 'A3127'.			
8700110	B117		02/19/88	Northrup King Co.
	'B117' is most similar to 'Evans', 'S09-90', and 'Dassel'; however, 'B117' is susceptible to races 1 and 2 of <u>Phytophthora megasperma</u> whereas 'Dassel', 'S09-90', and 'Evans' are resistant.			
8700119	A3501		03/11/88	Asgrow Seed Company
	'A3501' most closely resembles 'A3127' and 'A3511'; however, 'A3501' is resistant to races 1 through 5 of <u>Phytophthora megasperma</u> whereas 'A3127' is susceptible, and 'A3501' has a narrower center leaflet (59 vs 67 mm) than 'A3511'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SOYBEAN (Continued)				
8700125	Flyer	(3)	02/19/88	Ohio State University, Ohio Agricultural Research & Development Center
'Flyer' is most similar to 'Resnik' and 'A3127'; however, 'Flyer' matures 4 days later than 'Resnik' and is resistant to <u>Phytophthora megasperma</u> races 1, 3, 6, and 7, whereas 'A3127' is susceptible to these races.				
8700126	Resnik	(3)	02/19/88	Ohio State University, Ohio Agricultural Research & Development Center
'Resnik' is most similar to 'A3127'; however, 'Resnik' is resistant to <u>Phytophthora megasperma</u> races 1, 3, 6, and 7 whereas 'A3127' is susceptible to these races.				
8700127	GR8836	(2)	03/11/88	Ohio State University, Ohio Agricultural Research & Development Center
'GR8836' is most similar to 'Resnik'; however, 'GR8836' is resistant to seed mottling of soybean mosaic virus whereas 'Resnik' is susceptible.				

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
SOYBEAN (Continued) 8700128 GR8936		(2)	03/11/88	Ohio State University, Ohio Agricultural Research & Development Center
	'GR8936' is most similar to 'Resnik'; however, 'GR8936' has white flowers whereas 'Resnik' has purple flowers.			
8700129 S53-34			03/11/88	Northrup King Co.
	'S53-34' is most similar to 'Essex'; however, 'S53-34' is resistant to race 3 of <u>Phytophthora megasperma</u> whereas 'Essex' is susceptible.			
8700158 6738			03/31/88	Coker's Pedigreed Seed Company
	'6738' is most similar to 'Kirby'; however, '6738' is highly resistant to stem canker whereas 'Kirby' is susceptible.			
8700164 Pennyrile		(3)	03/31/88	Kentucky Agricultural Experiment Station
	'Pennyrile' is most similar to 'Douglas'; however, 'Pennyrile' has tan pods whereas 'Douglas' has brown pods, and 'Pennyrile' matures 4-5 days later than 'Douglas'.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
TOMATO				
8500174	P-19		03/31/88	Petoseed Co., Inc.
	'P-19' is most similar to 'C-17', but 'P-19' ripens 7 to 8 days earlier than 'C-17'.			
8600032	MURRIETA II		03/11/88	Harris Moran Seed Company
	'Murrieta II' most closely resembles 'Murrieta'; however, 'Murrieta II' is resistant to race 2 of <u>Fusarium oxysporum f. lycopersici</u> , whereas 'Murrieta' is susceptible.			
VERBENA, ANNUAL				
8700008	Romance Scarlet		01/15/88	Sluis & Groot Research
	'Romance Scarlet' most closely resembles 'Blaze'; however, 'Romance Scarlet' flowers 6 days earlier and has a 13 cm smaller plant spread than 'Blaze'.			
WHEAT, COMMON				
8500027	Norseman	(3)	02/19/88	Nickerson American Plant Breeders, Inc.
	'Norseman' is most similar to 'Marshall' except 'Norseman' has an acuminate beak (averaging 3.8 mm long) and longer awns (6.06 vs 5.52 cm) than 'Marshall'. 'Marshall' has an acute beak (averaging 1.5 mm long).			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON (Continued)				
8500028	HR 48	(3)	02/19/88	Nickerson American Plant Breeders, Inc.
	'HR 48' is most similar to 'Wrangler' except the glume shoulders of 'HR 48' are oblique whereas those of 'Wrangler' are rounded. The beak on the glume of 'HR 48' is shorter (6.89 vs 9.06 mm) than that of 'Wrangler'.			
8500052	Siouxland	(3)	03/31/88	University of Nebraska and USDA-ARS
	'Siouxland' is most similar to 'Scout 66' except 'Siouxland' has shorter glume beaks (1.7 vs 2.2 mm) and is resistant at the seedling stage to races 'TNMK', 'RKQS', and 'RHRS' of <u>Puccinia graminis</u> f. sp. <u>tritici</u> whereas 'Scout 66' is susceptible. 'Siouxland' is more resistant to <u>Puccinia recondita</u> f. sp. <u>tritici</u> than 'Scout 66'.			
8500054	Florida 302	(3)	02/19/88	Florida Agricultural Experiment Station
	'Florida 302' is most similar to 'McNair 1003' except 'Florida 302' has awns whereas 'McNair 1003' is awnleted.			

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CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM
JANUARY 1, 1988 TO MARCH 31, 1988

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON (Continued)				
8500096	Adena	(2)	03/11/88	Ohio State University Ohio Agricultural Research and Development Center
	'Adena' most closely resembles 'Ruler' except 'Adena' is 12 cm shorter and 3 days later heading than 'Ruler'. Phenol reaction of 'Adena' is fawn while that of 'Ruler' is brown.			
8500105	Norak		03/11/88	Rohm and Haas Seeds Inc.
	'Norak' is most similar to 'Era' except 'Norak' heads an average of 4 to 5 days earlier than 'Era' at Moorehead, Minnesota, and is resistant to leaf rust (<u>Puccinia recondita</u>) whereas 'Era' is not.			
8500108	Leif	(3)	03/31/88	McIntyre-Pyle Seeds, Inc.
	'Leif' is most similar to 'Era' except 'Leif' has glume beaks which are 1.5 to 2.5 mm in length, whereas the glume beaks of 'Era' are 3 to 7 mm in length. 'Leif' averages 6 cm taller (range = 0 to 15 cm) than 'Era' and heads 2 days earlier (range = 0 to 4 days) than 'Era'.			
8500112	2551		03/31/88	Pioneer Hi-Bred International, Inc.
	'2551' is most similar to '2553' except '2551' has a purple coleoptile and averages 2 cm shorter in plant height than '2553'.			

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CERTIFICATES AMENDED
JANUARY 1, 1988 TO MARCH 1, 1988

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
BEAN, GARDEN 8500079	EZ Harvest		05/29/87	NPI Seed Inc.
	Name of owner changed from NPI AgService to NPI Seed Inc.			
8500080	EZ Pick		05/29/87	NPI Seed Inc.
	Name of owner changed from NPI AgService to NPI Seed Inc.			
BERMUDAGRASS 8800010	NuMex SAHARA	(3)	03/11/88	New Mexico Crop Improvement Association
	Variety with temporary designation of <Nu Mex S-1> named 'NuMex SAHARA'.			

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< > Identifies temporary designations.

CERTIFICATES AMENDED

JANUARY 1, 1988 TO MARCH 1, 1988

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
COTTON				
8700061	Germain's Acala GC-410	(3)	07/31/87	Germain's, Inc.
	Name of owner changed from C. Harvey Campbell, jr; H. P. Anderson, III; Kenneth L. Puryear and David L. West to Germain's, Inc.			
8800017	Germain's Acala GC-356	(3)	02/19/88	Germain's, Inc.
	Name of owner changed from C. Harvey Campbell, jr.; H. P. Anderson, III; Kenneth L. Puryear and David L. West to Germain's, Inc.			
FESCUE, TALL				
8500205	Tempo		04/30/87	NPI Seed Inc.
	Name of owner changed from NPI AgService to NPI Seed Inc.			

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 < > Identifies temporary designations.

CERTIFICATES AMENDED

JANUARY 1, 1988 TO MARCH 1, 1988

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
RICE				
8700203	KRM-2		03/11/88	Rice Researchers, Inc.
	Variety with temporary designation of <KRM-2> named 'KRM-2'.			
RYEGRASS, PERENNIAL				
8200150	Premier		08/31/84	NPI Seed Inc.
	Name of owner changed from Agriculture Service Corp. to NPI Seed Inc.			
SOYBEAN				
8700119	A3501		03/11/88	Asgrow Seed Company
	Temporary designation of <X3501> changed to 'A3501'.			

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< > Identifies temporary designations.

CERTIFICATES AMENDED

JANUARY 1, 1988 TO MARCH 1, 1988

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	GEN. (*)	ISSUE DATE	NAME OF OWNER
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TOMATO

8500174 P-19

03/31/88 Petoseed Co., Inc.

Variety with temporary designation <P-19> named 'P-19'.

WHEAT, COMMON

8500108 Leif

(3) 03/31/88 McIntyre-Pyle Seeds, Inc.

Name of applicant changed from Rohm and Haas Seeds to McIntyre-Pyle Seeds, Inc. with variety to be sold by variety name only as a class of certified seed, and with 3 classes of certified seed permitted beyond breeder's seed.

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- (*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.
< > Identifies temporary designations.

DESCRIPTION OF PUBLIC VARIETIES

In accordance with section 180.800 of the Plant Variety Protection Act, descriptions of "public varieties" voluntarily submitted on PVP objective description forms will be accepted for publication in the Official Journal. Publication of such descriptions in no way constitutes recognition of the variety as novel or entitles it to protection under the Plant Variety Protection Act.

The following are descriptions of public varieties of corn released cooperatively by the USDA-ARS and the North Carolina Agricultural Research Service in March 1988.

The "PV Number" assigned to each variety should not be construed as meaning the variety is protected under the PVP Act; it is merely the accession number of that variety in the Office's database of corn variety descriptions.

Requests for seed samples and further information about these cultivars should be directed to Dr. William H. Johnson, Assistant Director, North Carolina Agricultural Research Service, P. O. Box 7601, Raleigh, NC 27695-7601.

VOLUNTARY FIELD CORN DESCRIPTION

Variety Name: 'NC260'

PV Number: 8810018

'NC260' was derived from 530-1(83), an S5 line from Mo44 x Mo17. It was tested for resistance to Gray Leaf Spot in Virginia in 1987 and yield tested at 3 locations in North Carolina in 1984-86. 'NC260' was released cooperatively by the USDA, ARS and the North Carolina ARS in March 1988.

Breeders: Dr. Donald L. Thompson (USDA/Retired)
Dr. M. M. Goodman (NCSU Professor, Crop Science)

Kernel Type	Dent	Fresh Ear Length	14 cm
Adapted Area	SE USA	Fresh Ear Diameter	33 mm
Chromosome No.	Diploid	Fresh Ear Weight	65 g
Days to Mid Silk	70	No. Kernel Rows/Ear	14
Heat Units to		Row Distinctness	Distinct
Mid Silk	1459	Row Straightness	Straight
Plant Height	183 cm	Exposed Silk Color	Green
Ear Height	48 cm	Fresh Husk Color	Light Green
Internode Lgth	11 cm	Dry Husk Color	Buff
Tillers/Plant	None	Husk Extension	
Ears/Plant	Slight 2	beyond Ear	Barely
Cytoplasm Type	Normal	Husk Leaf Length	>15 cm
Leaf Color	Dark green	Ear Shank Length	6 cm
Leaf Angle	30-60	No. Shank	
	degrees	Internodes	9
Leaf Sheath		Dry Ear Position	Upright
Pubescence	Light	Ear Taper	Slight
Leaf Marginal		Ear Drying Time	Average
Waves	Few	Dry Kernel Length	10 mm
Leaf Creases	Few	Dry Kernel Width	7 mm
Leaf Width	8 cm	Dry Kernel Thickness	4 mm
Leaf Length	62 cm	Kernel Shape Grade	<20% Rounds
Lf. No./Plant	11	Pericarp Color	Colorless
Tassel Branch		Aleurone Color	White
No./Plant	4	Endosperm Color	Yellow
Tassel Branch		Endosperm Type	Normal
Angle	<30		Starch
	degrees	Seed Weight	16 g/100
Peduncle Lgth	29 cm	Cob Midpoint Dia.	24 mm
Pollen Shed	Light	Cob Strength	Strong
Anther Color	Pink	Cob Color	Red
Glume Color	Purple		

Plant Diseases: Resistant to Common Smut and Gray Leaf Spot.

VOLUNTARY FIELD CORN DESCRIPTION

Variety Name: 'NC274'

PV Number: 8810019

'NC274' was derived from 2108-1(83), an S3 line from 'B73' x 'NC250'. It was tested for resistance to Southern Leaf Blight in Florida in 1985-86 and for resistance to Gray Leaf Spot in North Carolina and Virginia in 1984-86. 'NC274' was released cooperatively by the USDA, ARS and the North Carolina ARS in March 1988.

Breeders: Dr. Donald L. Thompson (USDA/Retired)
Dr. M. M. Goodman (NCSU Professor, Crop Science)

Kernel Type	Dent	Fresh Ear Length	17 cm
Adapted Area	SE USA	Fresh Ear Diameter	39 mm
Chromosome No.	Diploid	Fresh Ear Weight	92 g
Days to Mid Silk	75	No. Kernel Rows/Ear	16
Heat Units to		Row Distinctness	Distinct
Mid Silk	1550	Row Straightness	Straight
Plant Height	202 cm	Exposed Silk Color	Green
Ear Height	70 cm	Fresh Husk Color	Light Green
Internode Lgth	13 cm	Dry Husk Color	Buff
Tillers/Plant	None	Husk Extension	
Ears/Plant	One	beyond Ear	Barely
Cytoplasm Type	Normal	Husk Leaf Length	>15 cm
Leaf Color	Medium green	Ear Shank Length	13 cm
Leaf Angle	30-60	No. Shank	
	degrees	Internodes	6
Leaf Sheath		Dry Ear Position	Upright
Pubescence	Light	Ear Taper	Slight
Leaf Marginal		Ear Drying Time	Average
Waves	Few	Dry Kernel Length	9 mm
Leaf Creases	Few	Dry Kernel Width	6 mm
Leaf Width	9 cm	Dry Kernel Thickness	4 mm
Leaf Length	72 cm	Kernel Shape Grade	<20% Rounds
Lf. No./Plant	13	Pericarp Color	Colorless
Tassel Branch		Aleurone Color	White
No./Plant	10	Endosperm Color	Yellow
Tassel Branch		Endosperm Type	Normal
Angle	30-40		Starch
	degrees	Seed Weight	17 g/100
Peduncle Lgth	30 cm	Cob Midpoint Dia.	23 mm
Pollen Shed	Medium	Cob Strength	Strong
Anther Color	Pink	Cob Color	Red
Glume Color	Purple		

Plant Diseases: Resistant to Southern Leaf Blight, Common Smut, and Gray Leaf Spot.

VOLUNTARY FIELD CORN DESCRIPTION

Variety Name: 'NC276'

PV Number: 8810020

'NC276' was derived from 302-1(83), an S3 line from B73 x NC244. It was tested in Florida in 1985-86 for resistance to Southern Leaf Blight and in North Carolina and Virginia for resistance to Gray Leaf Spot in 1986-87. 'NC276' was released cooperatively by the USDA, ARS and the North Carolina ARS in March 1988.

Breeders: Dr. Donald L. Thompson (USDA/Retired)
Dr. M. M. Goodman (NCSU Professor, Crop Science)

Kernel Type	Flint	Fresh Ear Length	14 cm
Adapted Area	SE USA	Fresh Ear Diameter	38 mm
Chromosome No.	Diploid	Fresh Ear Weight	84 g
Days to Mid Silk	72	No. Kernel Rows/Ear	14
Heat Units to		Row Distinctness	Distinct
Mid Silk	1505	Row Straightness	Straight
Plant Height	207 cm	Exposed Silk Color	Green
Ear Height	72 cm	Fresh Husk Color	Light Green
Internode Lgth	14 cm	Dry Husk Color	Buff
Tillers/Plant	None	Husk Extension	
Ears/Plant	Slight 2-ear	beyond Ear	Barely
Cytoplasm Type	Normal	Husk Leaf Length	<8 cm
Leaf Color	Dark Green	Ear Shank Length	11 cm
Leaf Angle	<30	No. Shank	
	degrees	Internodes	8
Leaf Sheath		Dry Ear Position	Upright
Pubescence	Light	Ear Taper	Slight
Leaf Marginal		Ear Drying Time	Slow
Waves	Few	Dry Kernel Length	10 mm
Leaf Creases	Few	Dry Kernel Width	8 mm
Leaf Width	10 cm	Dry Kernel Thickness	5 mm
Leaf Length	71 cm	Kernel Shape Grade	<20% Rounds
Lf. No./Plant	13	Pericarp Color	Colorless
Tassel Branch		Aleurone Color	White
No./Plant	8	Endosperm Color	Yellow
Tassel Branch		Endosperm Type	Normal
Angle	<30		Starch
	degrees	Seed Weight	31 g/100
Peduncle Lgth	23 cm	Cob Midpoint Dia.	23 mm
Pollen Shed	Light	Cob Strength	Strong
Anther Color	Yellow	Cob Color	Red
Glume Color	Green		

Plant Diseases: Susceptible to Southern Leaf Blight and Gray Leaf Spot. Resistant to Common Smut.

VOLUNTARY FIELD CORN DESCRIPTION .

Variety Name: 'NC278'

PV Number: 8810021

'NC278' was derived from 2182-1(83), an S5 line developed by backcrossing an early B73 line, 'B73G', twice to ETO 'Blanco'. ETO 'Blanco' is a broad-based synthetic of mostly Caribbean origin. 'NC278' underwent the same testing as 'NC274' and 'NC276'. 'NC278' was released cooperatively by the USDA, ARS and the North Carolina ARS in March 1988.

Breeders: Dr. Donald L. Thompson (USDA/Retired)
Dr. M. M. Goodman (NCSU Professor, Crop Science)

Kernel Type	Dent	Fresh Ear Length	13 cm
Adapted Area	SE USA	Fresh Ear Diameter	39 mm
Chromosome No.	Diploid	Fresh Ear Weight	62 g
Days to Mid Silk	80	No. Kernel Rows/Ear	16
Heat Units to		Row Distinctness	Distinct
Mid Silk	1659	Row Straightness	Straight
Plant Height	173 cm	Exposed Silk Color	Green
Ear Height	51 cm	Fresh Husk Color	Light Green
Internode Lgth	12 cm	Dry Husk Color	Buff
Tillers/Plant	None	Husk Extension	
Ears/Plant	One	beyond Ear	Barely
Cytoplasm Type	Normal	Husk Leaf Length	<8 cm
Leaf Color	Dark green	Ear Shank Length	9 cm
Leaf Angle	30-60	No. Shank	
	degrees	Internodes	9
Leaf Sheath		Dry Ear Position	Upright
Pubescence	Light	Ear Taper	Slight
Leaf Marginal		Ear Drying Time	Average
Waves	Few	Dry Kernel Length	9 mm
Leaf Creases	Few	Dry Kernel Width	6 mm
Leaf Width	9 cm	Dry Kernel Thickness	4 mm
Leaf Length	72 cm	Kernel Shape Grade	<20% Rounds
Lf. No./Plant	12	Pericarp Color	Colorless
Tassel Branch		Aleurone Color	White
No./Plant	7	Endosperm Color	Yellow
Tassel Branch		Endosperm Type	Normal
Angle	>45	Starch	
	degrees	Seed Weight	22 g/100
Peduncle Lgth	21 cm	Cob Midpoint Dia.	19 mm
Pollen Shed	Medium	Cob Strength	Strong
Anther Color	Yellow	Cob Color	Red
Glume Color	Green		

Plant Diseases: Resistant to Southern Leaf Blight, Common Smut, and Gray Leaf Spot.

GENERAL INFORMATION

Correction to Previous Official Journals:

Plant Variety Protection Certificate No. 8100012 on 'Apart' Kentucky bluegrass was incorrectly shown as voluntarily abandoned in Volume 11, No. 4, page 13 (1983) of the Official Journal, as well as in Volume 11, Index, page 19 (1983) and Volume 13, Cumulative Index, page 92 (1985).

This correction notifies all that the Certificate on 'Apart' is in force.

Note on Contents of this Journal:

During this quarter, January 1 through March 31, 1988, there were no applications amended or certificates voluntarily abandoned.

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